

RF Excited Gas Laser

ABSTRACT OF THE DISCLOSURE

RF excited gas laser consists of a laser tube having external surfaces; a power supply compartment having elongated external fins and a pair of endplates on its opposite ends and wherein laser tube is placed between and is flexibly attached to the endplates; a sheet-metal cover mounted to the endplates and to power supply compartment and forming a laser assembly and having at least one pair of intake openings and at least one pair of exhaust openings for the cooling air to flow through the laser assembly by entering the laser assembly through the intake openings and flowing over power supply external fins and over laser tube external surfaces and then exiting through the exhaust openings. Present invention is characterized by lower cost and more efficient forced air cooling laser tube and RF power supply.